

No. 7.

From D. 5346 to 5384

From H. 4923 to 49

Dredge } No. 5346 Date, Dec 26, 1928
Hydrog. }

Sdg. Mch. — Reel — Shot } — lbs.
Turns — Cor'n — Depth — 7 fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom — m.

Thermom. { Make — Cor'n { Instr. —
No. — Stem. —

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 80 Time 10:15 a.m. } Air { 81°
80 Time 10:30 a.m. } 81°

Density: Surf. — fms.

Wind: Direction N E Force 1-2

Baromet. 29.89 Amt. of Clouds 8 State of Sea S

Weather fc

Direction and Force of Current. { Surface —
Bottom —

Tide .

General Locality Malampaya Id. Palauan
Cliff (mid.) & 36° Peaked & 589 W

Position 10-50-30N - 119-22-20E

Chart used: No. 4349 Ed'n

Drift: Direction S 72 E Distance 10

Depth of Haul bottom

Apparatus and Rig used 9' Harbor glass floats

2 wing wts, 1 tail wt.

Time towing h. 10 m.

Remarks:

Deck Officer Mr. Rohang Recorder Roberts
11-1023

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.		AM.	DOWN.	UP.	AM.
			0	10	14	30	10 35 00
			80	10	18	00	10 28 20
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
22-24			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Dredge } No. 5347 Date, Dec 26, 1908
Hydrog. }

Sdg. Mch. Hand lead Reel Shot } lbs.
Turns Cor'n Depth 5 - 4 3/4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M

Thermom. { Make Cor'n Instr. —
No. Cor'n Stem. —

Bottom Reading Cor'd Temp. —

Temp. Surf. { 81 Time 10:55 A.M. Air } 81
Time —

Density: Surf. fms. —

Wind: Direction N.E. Force 2

Baromet. 29.89 Amt. of Clouds 5 State of Sea 8

Weather B.C.

Direction and Force of Current. { Surface
Bottom

Tide

General Locality Malampaya Is. Palawan

Cliff. 20 m. S 26° E Peaked 26 and S 84 W.

Position 10° 50' 44" N - 119° 23' 09" E.

Chart used: No. 4349 Ed'n

Drift: Direction N 36° E Distance .5

Depth of Haul bottom

Apparatus and Rig used as before

Time towing h. 10 m.

Remarks:

Deck Officer Mr. Boughn Recorder Roberto
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.		AM. DOWN.	UP.	AM.	
			0	10 54 40	11 12 15		
			100	10 58 00	11 08 05		
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
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			2100				
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			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

50 - 40 - 73.06

Dredge } No. 4973. Date, Dec. 27, 1908
Hydrog. }
Sdg. Mch. T.N. Reel T.N. Shot 20 lbs.
Turns 51 Cor'n Depth 51 fms.
Sdg. Cup Arming Amt. Bot'm Sample Arming covered
Character of Bottom So. S.

Thermom. { Make none used Cor'n { Instr. -
No. } Stem.

Bottom Reading Cor'd Temp. -

Temp. Surf. { Time - } Air {
Time - }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface -
Bottom -

Tide

General Locality China Sea, W. coast Palawan.

Manimbalo Id. (m), S 41 E, Tapintan Id. (N), N 39 E.
Position $10^{\circ} 57' 15'' N$ - $119^{\circ} 1' 00'' E.$

Chart used: No. 4716 Ed'n -

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Rohrige Recorder Frontal n-1023
? 2

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✓

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
6	32 00	6 34 05	0			
6	32 20	6 32 22	57/100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
36 30	-01 06		2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Breadge } No. 4924 Date, Dec. 27, 1908
Hydrog. }

Sdg. Mch. T. N. Reel T. N. Shot } 20 lbs.
Turns 62 cor'n = Depth 62 fms.

Sdg. Cup armng Amt. Bot'm Sample True

Character of Bottom Sandy

Thermom. { Make } none used Cor'n { Instr. ~
{ No. } Stem. ~

Bottom Reading Cor'd Temp. ~

Temp. Surf. { Time } Air {
Time } ~

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom }

Tide

General Locality China Sea, W. cost Palawan D.

Bald Is., Brayan Is., S 28° E - Tabintaw I (N), N 44° E

Position 10° 57' 00" N - 118° 55' 45" E

Chart used: No. 4716 Ed'n -

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Mr. Polange Recorder A77751-
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
7 08 50	7 11 40		0			
7 09 30	7 09 38	62	100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
54-90	56-00		2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. No. 4 Date, Jan 26, 1905

Sdg. Mch. 2000 Reel 2000 Shot} 35 lbs.

Turns 187 Cor'n — Depth 187 fms.

Sdg. Cup Siphon Amt. Bot'm Sample abu
Character of Bottom

Thermom. { Make T. J. Cor'n { Instr.
No. 108022 Cor'n Stem.

Bottom Reading 11.0°C Cor'd Temp.

Temp. Surf. { Time { Air
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position 8° 7' 15' S

Chart used: No. 4716 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Water depth 6 ft

Deck Officer C. J. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.	M.	DOWN.	UP.	M.
8	14	8	0	0			
8	335	8	06	45	100		
8	440	8	05	30	184	200	
					300		
					400		
					500		
					600		
					700		
					800		
					900		
					1000		
					1100		
					1200		
					1300		
					1400		
					1500		
					1600		
					1700		
					1800		
					1900		
					2000		
					2100		
					2200		
					2300		
					2400		
					2500		
					2600		
					2700		
					2800		
					2900		
					3000		
					3100		
					3200		
					3300		
					3400		
					3500		
					3600		
					3700		
					3800		
					3900		
					4000		
					4100		
					4200		
					4300		
					4400		
					4500		
					4600		
					4700		
					4800		
					4900		

Dredge No. 2 Date, June 26, 1900
Hydrog. Sdg. Mech. Reel Shot Lead 5 lbs.
Turns 7 Cor'n Depth 27.5 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Co. S. 0

Thermom. { Make Reg. Cor'n { Instr. 6
No. 10 Stem.
Bottom Reading 57 Cor'd. Temp. 56.4
Temp. Surf. { 81° Time 9⁴³ Air { 52°
Time 10²⁰ } 8
Density: Surf. 1.0242200000000001 Dens. 1.02576
Wind: Direction Force 3
Baromet. 29.86 Amt. of Clouds 2 State of Sea 2
Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. 4716 Ed'n

Drift: Direction N. 80° W. Distance 1.8 miles

Depth of Haul bottom

Apparatus and Rigs used

Time towing h. 20 m.

Remarks:

Deck Officer *The Fisheries Recorder* C. G. H.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	Down.	Up.	M.	M.	Up.	M.
0			0	9	7	0
100			100	9	7	5
200			200	9	7	10
300			300	9	7	15
400			400	9	7	20
500			500	9	8	25
600			600	9	8	30
700			700	9	9	35
800			800	10	9	40
900			900	10	10	45
1000			1000	10	10	50
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

10
 Hydrog. No. 5214 Date, 1902.11.19
 Sdg. Mch. Reel Shot 5 lbs.
 Turns Cor'n Depth 7 fms.
 Sdg. Cup Amt. Bat'm Sample
 Character of Bottom Col. S.
 Thermom. { Make 71.0 Stem Cor'n { Instr. 5
 No. 108022 Stem
 Bottom Reading 41.4 Cor'd Temp. 41.4
 Temp. Surf. { Time 1 sec. Air 52
 Time
 Density: Surf. fms.
 Wind: Direction N E Force 4
 Baromet. 29.83 Amt. of Clouds 1 State of Sea S
 Weather 4C

Direction and Force { Surface
 of Current. Bottom

Tide

General Locality

Position 10-54-05 N - 118-36-20 E
 Chart used: No. 4716 Ed'n
 Drift: Direction S.S.E. Distance 1.5
 Depth of Haul Bottom
 Apparatus and Rig used as before

Time towing h. m.

Remarks:

Deck Officer 111 Recorder /
 11-1023

SOUNDING WIRE				FMS.	DREDGING CABLE			
M.	Down.	Up.	M.		M.	Down.	Up.	M.
12	42 05	43 55		0	12 52 00	3		
	38 45	47 25		100	35 15	56		
	35 00	41 45		200	1 20 12	5		
	37 20	46 20		300	1 04 05			
	37 20	45 10		400	07 20	46 20		
	41 50	41 20		500	12 12	12 20		
	41 30	41 20		600	12 30	3 20		
	40 50	42 35		700	15 35	35 05		
12	41 10	12 42 10	730	800	14 30	51 30		
				900	21 00	27 30		
				1000	27 35	23 35		
				1100	26 25	19 15		
				1200	27 10	15 10		
				1300	3 1 45	11 45		
				1400	36 24	58 25		
				1500	26 45	41 15		
				1600	1 40 00	200 00		
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge No. 5352 Date, Dec 27, 1911
Hydrographer _____ Reel _____ Shot weight 3 lbs.
Sdg. Mch. _____ Cor'n _____ Depth _____ fms.
Turns 51 Cor'n _____ Depth _____ fms.
Sdg. Cup Surface Amt. Bot'm Sample 1 oz.
Character of Bottom gy II
Thermom. { Make N.B. Instr. -
No. 108022 Stem. -
Bottom Reading 52 Cor'd Temp. -
Temp. Surf. { 52 Time 1:57 P.M. Air 52
92 Time 5:56 P.M. Air 52
Density: Surf. 1.02 fms.
Wind: Direction N.E. Force 3-4
Baromet. 29.82 Amt. of Clouds 2 State of Sea S
Weather Vic.

Direction and Force of Current { Surface
Bottom

Tide -

General Locality Cebu Sea -

Position 10° 45' N. 125° 00' E.

Chart used: No. 4716 Ed'n -

Drift: Direction S 85° W Distance 3.0

Depth of Haul Bottom.

Apparatus and Rig used As before.

Time towing - h. 27 m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M.	Down.	Up.	M.	M.	Down.	Up.	M.
100	100	100	0	4	10	62000	
110	100	120	100	23	30	16200	
120	110	120	200	27	00	1300	
130	120	130	300	27	00	0630	
140	130	140	400	27	00	0540	
150	140	150	500	37	30	0230	
160	150	160	600	37	30	0320	
170	160	170	700	42	00	0410	
180	170	180	800	42	00	0410	
190	180	190	900	42	00	0410	
200	190	200	1000	51	10	4120	
210	200	210	1100	54	20	3645	
220	210	220	1200	57	30	3230	
230	220	230	1300	57	00	2830	
240	230	240	1400	57	00	2770	
250	240	250	1500				
260	250	260	1600				
270	260	270	1700				
280	270	280	1800				
290	280	290	1900				
300	290	300	2000				
310	300	310	2100				
320	310	320	2200				
330	320	330	2300				
340	330	340	2400				
350	340	350	2500				
360	350	360	2600				
370	360	370	2700				
380	370	380	2800				
390	380	390	2900				
400	390	400	3000				
410	400	410	3100				
420	410	420	3200				
430	420	430	3300				
440	430	440	3400				
450	440	450	3500				
460	450	460	3600				
470	460	470	3700				
480	470	480	3800				
490	480	490	3900				

Dredge } No. 20 Date, June 27, 1924
 Hydrog. }
 Sdg. Mch. Trawl R. Reel 716. Net } 3.5 lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup ... t. Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 No. Stem.
 Bottom Reading Cor'd. Temp.
 Temp. Surf. { Time Air {
 Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force { Surface ...
 Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

Deck Officer W. A. Miller Recorder J. C. Johnson
 11-1023

SOUNDING WIRE. P M. Down. Up. P M.	FMS.	DREDGING CABLE. M. Down. Up. M.
8 03'40	8 27'60	0
8 04'20	8 46'30	100
		200
		300
		400
	500	
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400
		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000
		4100
		4200
		4300
		4400
		4500
		4600
		4700
		4800
		4900

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	P M.		P M. DOWN.	UP.	P M.
8 42 30	8 44 00		0	8 46 30	9	
8 42 30	8 42 40	13-00		8 51 00	8 57 10	
		200		8 52 30	8 54 30	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
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			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 1 Date, 19...
 Hydrog. }
 Sdg. Mech. Reel Shot Leads lbs.
 Turns Cor'n Depth 25 fms.
 Sdg. Cup Amt. Bot'm Sample —
 Character of Bottom —
 Thermom. { Make Cor'n Instr.
 No. Cor'n Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 81° Time 6:20 AM Air 80°
 81° Time 6:20 PM Air
 Density: Surf. fms.
 Wind: Direction N Force —
 Baromet. 29.5 Amt. of Clouds 4 State of Sea
 Weather —
 Direction and Force of Current. { Surface
 of Current. Bottom

Tide —

General Locality 21deg 45' N 119deg 05' E
 Position 10-04-30 N - 119-05-00 E

Chart used: No. 11516 C.S. Ed'n

Drift: Direction N.W.E. Distance 9
 Depth of Haul 10 fms. 20 fms.
 Apparatus and Rig used 6 m. 18 fms.

Time towing h. m.

Remarks: 10:00 AM 10:00 AM 10:00 AM

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M.	UP.	M.
			0	6	15	45
			400	6	18	00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 5252 Date, Jan 1st, 19th
 Hydrog. Sdg. Mch. Reel Shot Lead lbs.
 Turns 148 Cor'n Depth 148 fms.
 Sdg. Cup Sissee Amt. Bot'm Sample — x
 Character of Bottom x

Thermom. { Make Cor'n { Instr. —
 No. { none used Stem. —

Bottom Reading Cor'd Temp. —
 Temp. Surf. { 0° Time 10:00 } Air {
 80° Time 10:00

Density: Surf. fms.
 Wind: Direction SW Force 4-5

Baromet. 29.85 Amt. of Clouds 12 State of Sea

Weather off

Direction and Force { Surface
 of Current. { Bottom

Tide

General Locality C. S. SW
 (Reliable chart, no
 Position 7° 50' 45" N - 16° 43' 15" E. (Map, X)
 Chart used: No. 11309 Ed'n —
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used

Time towing h. 1/2 m.

Remarks: " 7:15
 148 fms. wire, line, etc.
 strong, fine sand, gravel and
 cobbles, bottom soft.

Deck Officer Recorder 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.	M. DOWN.	UP.	M.
6.30		0	7.00	7.56	105
7.20	6.30	100	7.06	7.50	10
6.20	5.50	200	7.03	7.50	50
5.50	5.00	300	7.06	7.45	40
5.00	4.50	400	7.09	7.55	00
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

✓

Dredge } No. _____ Date, _____, 19 _____.
Hydrog. }
Sdg. Mch. _____ Reel _____ Sheet } Lead } lbs.
Turns _____ Cor'n. _____ Depth _____ fms.
Sdg. Cup _____ Amt. Bot'm Sample _____
Character of Bottom _____
Thermom. { Make _____ Cor'n { Instr. _____
{ No. _____ Stem. _____
Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { Time _____ { Air _____
{ Time _____ {
Density: Surf. _____ fms. _____
Wind: Direction _____ Force _____
Baromet. _____ Amt. of Clouds _____ State of Sea _____
Weather _____
Direction and Force { Surface _____
of Current. { Bottom _____
Tide _____
General Locality _____
Position _____
Chart used: No. _____ Ed'n _____
Drift: Direction _____ Distance _____
Depth of Haul _____
Apparatus and Rig used _____
Time towing _____ h. _____ m.
Remarks:
Deck Officer _____ Recorder _____
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
5		8	36	0	3	
	22		34	100		
6				200		
				300		
				400		
				500		
				600		
				700		
				800		
				900		
				1000		
				1100		
				1200		
				1300		
				1400		
				1500		
				1600		
				1700		
				1800		
				1900		
				2000		
				2100		
				2200		
				2300		
				2400		
				2500		
				2600		
				2700		
				2800		
				2900		
				3000		
				3100		
				3200		
				3300		
				3400		
				3500		
				3600		
				3700		
				3800		
				3900		
				4000		
				4100		
				4200		
				4300		
				4400		
				4500		
				4600		
				4700		
				4800		
				4900		

Dredge } No. 5755 Date, Aug 19
 Hydrog. }
 Sdg. Mch. Reel Shot } Lead lbs.
 Turns 44 Cor'n Depth 44 fms.
 Sdg. Cup Amt. Bot'm Sample 6
 Character of Bottom ~~Stony~~ ~~So~~
 Thermom. { Make Instr.
 { No. Stem
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time } Air
 { Time }
 Density: Surf. 1.02518 fms.
 Wind: Direction Calm Force 0
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force of Current { Surface
 { Bottom
 Tide
 General Locality
 Position 10
 Chart used: No. 4309 Ed'n
 Drift: Direction S 14 W Distance 1.6
 Depth of Haul 10 fms
 Apparatus and Rig used 10 m. Trawl
 Time towing 19 h. 19 m.
 Remarks: Towing 100 fms. for 19 min.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A.M.	Down.	Up.	A.M.	A.M.	Up.	A.M.
9	39	00	9	40	30	0
				39	35	44
				100	9	47
				200	9	52
				300		
				400		
				500		
				600		
				700		
				800		
				900		
				1000		
				1100		
				1200		
				1300		
				1400		
				1500		
				1600		
				1700		
				1800		
				1900		
				2000		
				2100		
				2200		
				2300		
				2400		
				2500		
				2600		
				2700		
				2800		
				2900		
				3000		
				3100		
				3200		
				3300		
				3400		
				3500		
				3600		
				3700		
				3800		
				3900		
				4000		
				4100		
				4200		
				4300		
				4400		
				4500		
				4600		
				4700		
				4800		
				4900		

08-175

Dredge No. 5 Date, Oct 19
Hydrographer Reel 11 Shot Lead lbs.
Sdg. Mch. 100 ft. Cor'n 58 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make Cor'n { Instr. Stem.
No. Time
Temp. Surf. { S 2 Time { Air
Time
Density: Surf. fms.
Wind: Direction Calm Force 0
Baromet. Amt. of Clouds State of Sea
Weather
Direction and Force of Current { Surface
Bottom
Tide
General Locality
Position 8-6-48 N - 117-18
Chart used: No. 1309 Ed'n
Drift: Direction Distance
Depth of Haul Bottom
Apparatus and Rig used
Time towing h. m.
Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
0			0	19	3011	20
100			100	13	55	10
200			200	10	52	8
300			300			
400			400			
500			500			
600			600			
700			700			
800			800			
900			900			
1000			1000			
1100			1100			
1200			1200			
1300			1300			
1400			1400			
1500			1500			
1600			1600			
1700			1700			
1800			1800			
1900			1900			
2000			2000			
2100			2100			
2200			2200			
2300			2300			
2400			2400			
2500			2500			
2600			2600			
2700			2700			
2800			2800			
2900			2900			
3000			3000			
3100			3100			
3200			3200			
3300			3300			
3400			3400			
3500			3500			
3600			3600			
3700			3700			
3800			3800			
3900			3900			
4000			4000			
4100			4100			
4200			4200			
4300			4300			
4400			4400			
4500			4500			
4600			4600			
4700			4700			
4800			4800			
4900			4900			

Dredge } No. 5357 Date, Aug 5 , 190
Hydrog. }
Sdg. Mch. Reel Shot } lbs.
Turns 68 cor'n Depth 68 fms.
Sdg. Cup Draining Amt. Bot'm Sample
Character of Bottom ~~coarse sand~~
Thermom. { Make Cor'n { Instr.
No. Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { Time Air
85 Time 11 400
Density: Surf. fms.
Wind: Direction Calm Force 0
Baromet. 29.5 Amt. of Clouds ✓ State of Sea
Weather DRY
Direction and Force { Surface
of Current. Bottom
Tide

General Locality N. Atlantic Ocean
Position 40° 15' N. Lat. 71° 45' W. Long.
Chart used: No. 4309 Ed'n
Drift: Direction N 45 E Distance
Depth of Haul Bottom
Apparatus and Rig used Tanner 3 glass bells
with sandy soft bottom

Time towing h. m.
Remarks 10 min.
not towed

Deck Officer W. C. C. C. C. Recorder A. P. 9/1
11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M.	Down.	Up.	M.		M.	Up.	M.
11	12	20	11	14	50	11	15
11	13	00	11	10	15	11	25
					65	11	25
					100	11	25
					200	11	25
					300	11	27
					400		
					500		
					600		
					700		
					800		
					900		
					1000		
					1100		
					1200		
					1300		
					1400		
					1500		
					1600		
					1700		
					1800		
					1900		
					2000		
					2100		
					2200		
					2300		
					2400		
					2500		
					2600		
					2700		
					2800		
					2900		
					3000		
					3100		
					3200		
					3300		
					3400		
					3500		
					3600		
					3700		
					3800		
					3900		
					4000		
					4100		
					4200		
					4300		
					4400		
					4500		
					4600		
					4700		
					4800		
					4900		
17 137							

Dredge No. 19
 Hydrographer Date, 19
 Sdg. Mch. Reel Shot Lead lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n Instr.
 { No. Stem
 Bottom Reading Cor'd. Temp.
 Temp. Surf. { 82° Time 7:30 P.M. } Air { 80°
 { Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force { Surface
 of Current. { Bottom
 Tide
 General Locality S. C. Sea, N. of China
 Tengmok Id. S S 13 E, Beiguan Id (N) L. L.
 Position 6° 06' 40" N - 118° 18' 15" E
 Chart used: No. 4730 Ed'n -
 Drift: Direction N 56° E Distance 0.7 m.
 Depth of Haul Bottom
 Apparatus and Rig used 12' f. 6' 6' 6'
 Remarks: Side for 10 min. 3 3

11-1023

SOUNDING WIRE		FMS.	DREDGING CABLE		
M. DOWN.	UP.	M.	M. DOWN.	UP.	M.
7	16	0	7	27	0
7	15	100	7	27	0
7	17	200	7	27	0
7	17	300	7	27	0
7	17	400	7	27	0
7	17	500	7	27	0
7	17	600	7	27	0
7	17	700	7	27	0
7	17	800	7	27	0
7	17	900	7	27	0
7	17	1000	7	27	0
7	17	1100	7	27	0
7	17	1200	7	27	0
7	17	1300	7	27	0
7	17	1400	7	27	0
7	17	1500	7	27	0
7	17	1600	7	27	0
7	17	1700	7	27	0
7	17	1800	7	27	0
7	17	1900	7	27	0
7	17	2000	7	27	0
7	17	2100	7	27	0
7	17	2200	7	27	0
7	17	2300	7	27	0
7	17	2400	7	27	0
7	17	2500	7	27	0
7	17	2600	7	27	0
7	17	2700	7	27	0
7	17	2800	7	27	0
7	17	2900	7	27	0
7	17	3000	7	27	0
7	17	3100	7	27	0
7	17	3200	7	27	0
7	17	3300	7	27	0
7	17	3400	7	27	0
7	17	3500	7	27	0
7	17	3600	7	27	0
7	17	3700	7	27	0
7	17	3800	7	27	0
7	17	3900	7	27	0
7	17	4000	7	27	0
7	17	4100	7	27	0
7	17	4200	7	27	0
7	17	4300	7	27	0
7	17	4400	7	27	0
7	17	4500	7	27	0
7	17	4600	7	27	0
7	17	4700	7	27	0
7	17	4800	7	27	0
7	17	4900	7	27	0

Hydrog. No. 4726 Date, June 9, 1921
Sdg. Mech. — Reel ^{Lead} Shot } 60 lbs.
Turns 460 Cor'n — Depth 2' fms.
Sdg. Cup ^{1/2} Amt. Bot'm Sample
Character of Bottom —
Thermom. { Make ², L. Cor'n { Instr.
No. 150 Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { Time — Time — } Stir
Density: Surf. fms.
Wind: Direction Force
Baromet. Amt. of Clouds State of Sea
Weather
Direction and Force { Surface —
of Current. Bottom —
Tide —

General Locality Sulu Sea

Position 7° 10' N. 125° 10' E.
Chart used: No. 4721 Ed'n
Drift: Direction Distance
Depth of Haul
Apparatus and Rig used

Time towing h. m.
Remarks: (1) Wind very weak
at surface, maximum velocity 10
knots at 1000 fms. above bottom
currents & wave breaking up.

Deck Officer J. J. Fisher Recorder J. C. H. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
6 06 00	1 17 00		0			
6 11 40	6 11 00		100			
6 18 40	6 15 10		200			
6 09 40	6 14 15		300			
6 10 40	6 13 20		400			
6 11 20	6 12 30	460	500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 4 Date, 19
Hydrog. Sdg. Mch. Sdg. Cup Character of Bottom

Reel Length Shot} 60 lbs.
Turns 2275 Cor'n Depth 2275 fms.
Sdg. Cup Lig. Amt. Bot'm Sample

Thermom. { Make N.Y. Cor'n { Instr. .
No. 108019 Stem. .

Bottom Reading Cor'd Temp.
Temp. Surf. { 52° Time 120° Air { 62°
82° Time 537 P.M. } 82.5°

Density: Surf. fms.

Wind: Direction N.E. Force 3 -
Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface .
Bottom .

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 21 m.

Remarks:

stray line in sounding! think in water lately, stray line visible

Deck Officer Recorder

11-1023

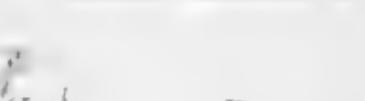
SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
12 24 00	1 15 55		0			
12 25 30	1 15 00		100			
12 26 44	1 14 20		200			
12 28 00	1 13 30		300			
12 29 00	1 12 45		400			
12 30 00	1 11 55		500			
12 31 05	1 11 00		600			
12 32 25	1 10 05		700			
12 33 45	1 09 05		800			
12 34 00	1 08 05		900			
12 36 05	1 07 05		1000			
12 37 20	1 06 00		1100			
12 38 30	1 05 00		1200			
12 39 40	1 03 55		1300			
			1400			
		1 01 40	1500			
		1 00 00	1600			
		2 3 5 5 0 0	1700			
		2 3 5 5 5 5	1800			
12 47 00	1 2 5 5 0 0		1900			
12 48 50	1 2 5 7 0 0		2000			
12 50 10	1 2 5 6 0 0		2100			
12 51 30	1 2 5 5 0 0		2200			
12 52 35	1 2 6 3 4 3	2275	2300			
			2400			
28		232	2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, Aug. 19, 19

Sdg. Mch. — / Reel — / Shot } Lead — lbs.

Turns — Cor'n — Depth — fms.

Sdg. Cup — Amt. Bot'm Sample —

Character of Bottom —  

Thermom. { Make — Cor'n { Instr. —
No. — Stem. —

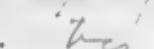
Bottom Reading — Cor'd. Temp. —

Temp. Surf. { 80° Time 2:20 p.m. } Air { 80°
Surf. — Time 2:50 p.m. } 90° —

Density: Surf. — / / fms.

Wind: Direction — Force —

Buromet.  Amt. of Clouds — State of Sea —

Weather 

Direction and Force { Surface —
of Current. Bottom —

Tide —

General Locality — 

Position —

Chart used: No. — Ed'n —

Drift: Direction — Distance —

Depth of Haul — about 25 fms.

Apparatus and Rig used — 70' off. —

Time towing: — h. 2 m.

Remarks: 

Deck Officer — Recorder —

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	✓	15	00
			100	✓	17	20
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, 7, 19
Hydrolog }
Sdg. Mch. Reel Shot Lead lbs.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom of

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 50° Air 50°
Surf. Time 2.55 Air 62°

Density: Surf. fms.

Wind: Direction N.E. Force 3

Baromet. 30.00 Amt. of Clouds / State of Sea

Weather Sct.

Direction and Force Surface /
of Current. Bottom /

Tide /

General Locality

Position /

Chart used: No. Ed'n

Drift: Direction / Distance:

Depth of Haul 10' /

Apparatus and Rig used

Wt. 100 lbs

Time towing h. m.

Remarks: 2.00

Deck Officer Wm. J. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.					
M. DOWN.	UP.	M.		P	M. DOWN.	UP.	P	M.	
			0	2	13	00	2	53	00
			100	2	13	40	2	53	40
			200	2	47	00	2	53	00
			300						
			400						
			500						
			600						
			700						
			800						
			900						
			1000						
			1100						
			1200						
			1300						
			1400						
			1500						
			1600						
			1700						
			1800						
			1900						
			2000						
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			2200						
			2300						
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			2600						
			2700						
			2800						
			2900						
			3000						
			3100						
			3200						
			3300						
			3400						
			3500						
			3600						
			3700						
			3800						
			3900						
			4000						
			4100						
			4200						
			4300						
			4400						
			4500						
			4600						
			4700						
			4800						
			4900						

Feb.

Dredge } No. 5 Date, 1911

Hydrog. } Sdg. Mch. Reel ~~falling~~ Shot Lead 12 lbs.

Turns Cor'n Depth 12 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom *bar.*

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 71 Time 6:30 } air 72
78 Time 7:00 } 77

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.01 Amt. of Clouds 0 State of Sea

Weather 5

Direction and Force { Surface
of Current. Bottom

Tide

south east, 2 m. low water.

Position 1 20 1

Chart used: No. 4240 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing / h. -- m.

Remarks: Low water

Deck Officer *W. W. C.* Recorder *W. C.* N. 1023

SOUNDING WIRE

M. DOWN. | UP. M.

FMS.

DREDGING CABLE

M. DOWN. | UP. M.

0	6 20 30	7 5
100	3 1 0 0	
200	7 1 2 5 1 2 0	7 1 2 0
300		
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Dredge No. 1 Date, Feb. 15, 1907
Hydrog. No.

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Sand

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 78° Time 8:50 p.m. } Air { 76°
Time

Density: Surf. fms.

Wind: Direction Force 3

Baromet. Amt. of Clouds State of Sea

Weather overcast

Direction and Force of Current { Surface
Bottom

Tide.

General Locality

Position

Chart used: No. Ed'n.

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Remarks: Towed Time towing 9 h. 8 m.

8:47 pm

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. | UP. M.

M. DOWN. | UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. 4 Date, Dec. 19, 1911

Sdg. Mch. Reel Shot} Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n Instr. fms.
No. Stem.

Bottom Reading Cor'd Temp. fms.

Temp. Surf. { 80° Time 3 54 } Air { 65°
80° Time 4 09 } 85°

Density: Surf. fms.

Wind: Direction Various Force 1 - 2

Baromet. 29.87 Amt. of Clouds 7 State of Sea

Weather

Direction and Force { Surface
of Current. Bottom fms.

Tide

General Locality

Position

Chart used: No. 4240 Ed'n

Drift: Direction Distance 1.0

Depth of Haul

Apparatus and Rig used

135 fms.

Time towing h. / m.

Remarks:

Deck Officer Mr. Johnson Recorder

SOUNDING WIRE.

M. Down. | Up. M.

DREDGING CABLE.

FMS. P M. Down. | Up. P M.

	0	3	30	30	4	13	20
	80	100	3	50	30		
	100	200	3	57	20	4	07
	300						10
	400						
	500						
	600						
	700						
	800						
	900						
	1000						
	1100						
	1200						
	1300						
	1400						
	1500						
	1600						
	1700						
	1800						
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	3100						
	3200						
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	3600						
	3700						
	3800						
	3900						
	4000						
	4100						
	4200						
	4300						
	4400						
	4500						
	4600						
	4700						
	4800						
	4900						

Dredge } No. 5363 Date, 19 . . .
Hydrog. } Reel Shot } lbs.
Sdg. Mch. — Reel Lead } chart.
Turns — Cor'n — Depth 180 fms.
Sdg. Cup — Amt. Bot'm Sample —
Character of Bottom 24 ± 24
Thermom. { Make — Cor'n { Instr. —
No. — Stem. —
Bottom Reading — Cor'd Temp. —
Temp. Surf. { 75° Time 9 Air } 77°
79° Time 10 40° Air 82°
Density: Surf. fms.
Wind: Direction S E Force 2
Baromet. 30.00 Amt. of Clouds 4 State of Sea 5
Weather 6-8
Direction and Force of Current { Surface
Bottom

Tide

General Locality 13° 15' S. Lat. 145° E. Long.
Position 13° 15' S. Lat. 145° E. Long.
Chart used: No. 4240 Ed'n
Drift: Direction N 25° E Distance 3.0
Depth of Haul 2 fathoms
Apparatus and Rig used 100 ft. Trawl
Trawl 15 m. 10 m. 10 m.
Time towing 1 h. 15 m.

Remarks:

Deck Officer J Recorder J 11-1023
P. D. Day relief

SOUNDING WIRE.			FMS.	DREDGING CABLE.				
M. DOWN.	UP.	M.		M. DOWN.	UP.	C.	M.	
			0	8	58	10	10	57 30
			100	9	10	35	10	53 40
			200	9	16	25	10	50 10
			300	22	40	10	46	50
			400	27	00	10	42	50
			500					
			600					
			700					
			800					
			900					
			1000					
			1100					
			1200					
			1300					
			1400					
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			2800					
			2900					
			3000					
			3100					
			3200					
			3300					
			3400					
			3500					
			3600					
			3700					
			3800					
			3900					
			4000					
			4100					
			4200					
			4300					
			4400					
			4500					
			4600					
			4700					
			4800					
			4900					

47 15

Dredge } No. 5364 Date, Feb. 20, 1909.
Hydrog. }

Sdg. Mch. — Reel — Shot
Turns — Cor'n — Depth lbs.

Sdg. Cup — Amt. Bot'm fms.
Sample

Character of Bottom TTS. L. C. S. V.

Thermom. { Make S. Cor'n { Instr.
No. 100 Stem.

Bottom Reading — Cor'd Temp. —

Temp. Surf. { Time 2:20 P.M. } Air
Time 2:00 P.M. }

Density: Surf. fms.

Wind: Direction ESE Force 1

Baromet. 29.96 Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality / Ind. — 2

Position 13° 45' N. 345° W.

Chart used: No. 4242 Ed'n —

Drift: Direction N. E. Distance 2.8 miles

Depth of Haul Bottom

Apparatus and Rig used 25' Dredge

Time towing h. m.

Remarks: Down 29' — 6.15 sec. total up 20 sec. drift 1.12 min. total time 42 sec. 3.12 min. down 20 sec. drift 1.12 min. total time 42 sec. 3.12 min.

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0			3 15 30
			100			
			200			3 06 00
			300			3 01 40
			400			4 57 58 00
			500			
			500 600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			2800			
			2900			
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			3100			
			3200			
			3300			
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			3600			
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			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5 Date, Sept. 22, 1909
Hypack }

Sdg. Mch. Reel Shot } Lead lbs.

Turns 20 Cor'n Depth 24 to 20 fms.

Sdg. Cup 8 Amt. Bot'm Sample

Character of Bottom

Thermom. { Make C Cor'n { Instr.
No. C Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. { 60° Time } Air { 60°
Time

Density: Surf. fms.

Wind: Direction S. Force 3

Baromet. 29.95 Amt. of Clouds State of Sea

Weather fair

Direction and Force of Current. { Surface
Bottom

Tide.

General Locality San Juan Islands

Position

Chart used: No. 45 Ed'n

Drift: Direction N.W. Distance 3.8

Depth of Haul Bottom

Apparatus and Rig used

1 net, 2 weights, tail

Time towing h. 36 m.

Remarks: Net bottomed on rocks, stones, shells, etc.

Net bottomed on rocks, stones, shells, etc.

Deck Officer Recorder 7.00 p.m.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	8	09	00
			100	8	09	40
			200	8	13	00
			300	8	15	10
			400	8	21	29
Towed 32 min at 500 (and between 600			500	8	32	57
			600	9	00	17
			700			
4½ min at 600 fath.			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 19 / / Date, 19 / /

Sdg. Mch. Reel Shot} Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n Instr.
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 79° Time 140 P } Air { 80° 86°
Baromet. 29.80 Time ? ? }

Density: Surf. fms.

Wind: Direction Force

Baromet. 29.80 Amt. of Clouds 2 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position

Chart used: No. 4240 CS Ed'n

Drift: Direction Distance

Depth of Haul surface 120 fms. to 150 fms.

Apparatus and Rig used

Time towing h. 20 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	/		
			100	2		
			200	3		
			300	5		
			400	7		
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 7 Date, 19
 Hydrog. Sdg. Mech. Reel Shot Lead lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm by cor. Sample
 Character of Bottom S. by ch.

Thermom.	Make	Cor'n	Instr.
	No.		Stem.

Bottom Reading Cor'd Temp.
 Temp. Surf. { 80° Time 5:00 P.M. } Air { 83°
 60° Time 5:27 P.M. } " "

Density: Surf. fms.
 Wind: Direction S.E. Force 3
 Baromet. Amt. of Clouds State of Sea
 Weather Bev

Direction and Force of Current { Surface
 Bottom

Tide

General Locality U.S.A. Position 42° N. Lat. 71° W. Long.
 Chart used: No. CS 4240 Ed'n 1
 Drift: Direction N.C.E. Distance 0
 Depth of Haul 6 fms.
 Apparatus and Rig used

Time towing — h. 2 1/2 m.

Remarks:

On deck for 19 min.

On deck — One fish.

Cold water; thermometer
in sand; from the trawl.

Deck Officer

Recorder

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 4636 Date, Feb. 23 , 19 /
 Hydrog.
 Sdg. Mch. Winch Reel Line Shot } 35 lbs.
 Head
 Turns 17 Cor'n Depth 1 fms.
 Sdg. Cup Sample 12 oz.
 Character of Bottom *Gravel*
 Thermom. { Make Cor'n Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { 52° Time 21 8 Air 47°
 82° Time 31 15
 Density: Surf. fms.
 Wind: Direction Various Force 0
 Baromet. 29.90 Amt. of Clouds State of Sea
 Weather *Clear*
 Direction and Force { Surface
 of Current. Bottom
 Tide
 General Locality *7.*
 Position *E*
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul *Bottom*
 Apparatus and Rig used 12' T. in T.D., 2
 T. 12' T. in T.D., 2
 T. 12' T. in T.D., 2
 T. 12' T. in T.D., 2
 Time towing h. 3? m.
 Remarks: *Bottom* *Bottom* *Bottom*
of Middle slope *Bottom* *Bottom*

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	P. M.		M. DOWN.	UP.	P. M.
2 06 48	2 12 15		0	17 30	3 24	
2 17 16	2 20 50		100	17 30	3 24	
2 38 25	2 37 35		200	26 35	3 22	
			300		3 16 50	
			400			
			500			
			600	2 45 30	3 11 10	
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			3100			
			3200			
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			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 19
Hydrographer } Date, 19
Sdg. Mch. 11 Reel 11 Shot } Lead lbs.
Turns 106 Cor'n Depth 106 fms.

Sdg. Cup Armoring Amt. Bot'm Sample
Character of Bottom B

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 71 Time { 79 Time { 79 Air

Density: Surf. fms.

Wind: Direction East Force 2

Baromet. Amt. of Clouds 5 State of Sea 8

Weather Windy

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Lat. 19° E. Long. 117°

Position

Chart used: No. 1217 Ed'n

Drift: Direction SSW Distance 1.5

Depth of Haul

Apparatus and Rig used 11 fathoms

Weights, Trawl net, Drag

Time towing h. 2 m.

Remarks:

Deck Officer Recorder

SC

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
8	8	8	0	8	8	8
100				100	100	100
200				200	200	200
300				300	300	300
400				400	400	400
500				500	500	500
600				600	600	600
700				700	700	700
800				800	800	800
900				900	900	900
1000				1000	1000	1000
1100				1100	1100	1100
1200				1200	1200	1200
1300				1300	1300	1300
1400				1400	1400	1400
1500				1500	1500	1500
1600				1600	1600	1600
1700				1700	1700	1700
1800				1800	1800	1800
1900				1900	1900	1900
2000				2000	2000	2000
2100				2100	2100	2100
2200				2200	2200	2200
2300				2300	2300	2300
2400				2400	2400	2400
2500				2500	2500	2500
2600				2600	2600	2600
2700				2700	2700	2700
2800				2800	2800	2800
2900				2900	2900	2900
3000				3000	3000	3000
3100				3100	3100	3100
3200				3200	3200	3200
3300				3300	3300	3300
3400				3400	3400	3400
3500				3500	3500	3500
3600				3600	3600	3600
3700				3700	3700	3700
3800				3800	3800	3800
3900				3900	3900	3900
4000				4000	4000	4000
4100				4100	4100	4100
4200				4200	4200	4200
4300				4300	4300	4300
4400				4400	4400	4400
4500				4500	4500	4500
4600				4600	4600	4600
4700				4700	4700	4700
4800				4800	4800	4800
4900				4900	4900	4900

Dredge } No. 5 Date, 19
Hydrog. }
Sdg. Mch. Steam Reel 0 Shnts 2 lbs.
Turns Cor'n Depth 157 fms.
Sdg. Cup 1/2 Cpt. Amt. Bot'm Sample
Character of Bottom Sand
Thermom. { Make HJ Cor'n { Instr. 6 °
No. 108015 Stem. -
Bottom Reading 54 Cor'd Temp. 54.3
Temp. Surf. { S. Time 6 ° F. { Air 54 °
Time / - Time / - Force 1 - 2
Baromet. 30.07 Amt. of Clouds 6 State of Sea 2
Weather -

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality

Position Lat. 41° 18'

Position Long. 71° 06'

Chart used: No. 4711 C.S. Ed'n -

Drift: Direction W Distance 1

Depth of Haul 157

Apparatus and Rigs used

Time towing h. m.

Remarks:

11.6

Deck Officer

Recorder

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A M.	DOWN.	UP.	A M.	A M.	UP.	A M.
9	32	00	9	38	30	0
	33	40		37	00	100
9	34	30	9	35	30	200
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
						1400
						1500
						1600
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						3100
						3200
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						3600
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						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

Dredge } No. 1 Date, 19
Hydrog. }
Sdg. Mch. Reel Shot
Turns Cor'n Lead lbs.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make Cor'n Instr.
No. Cor'n Stem.
Bottom Reading Cor'd Temp.
Temp. Surf. { 84 Time 117 p.m. Air { 82.5
80° Time 2.40 p.m. fms.
Density: Surf. fms.
Wind: Direction S E Force 2
Baromet. Amt. of Clouds State of Sea
Weather fms.
Direction and Force of Current { Surface
Bottom

Tide
General Locality Tropicana
Latitude N 15° 50' - Longitude E 120° 40'
Position 15° 48' 40" E 120° 42' 15"
Chart used: No. 4267 Ed'n
Drift: Direction 87° 15' Distance 0.9 m.
Depth of Haul 20 m.
Apparatus and Rig used
Time towing h. 2 1/2 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.		P	M. DOWN.	UP.	P M.
			0	3	26	30	4
			100	31	05	4	28 05
			200	34	20	4	14 15
			300	37	30	4	
			400	40	20	4	05 10
	450	500	5	41	32	4	02 4
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
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			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Dredge } No. 5373 Date, 1911, 1911
Hydrog. }
Sdg. Mech. Trawl Reel Shot } 35 lbs.
Turns Cor'n Depth 328 fms.
Sdg. Cup dredge Amt. Bot'm Sample 20 ff
Character of Bottom soft m.
Thermom. { Make T. & L. Instr. 6
No. 108015 Cor'n Stem.
Bottom Reading 52.4 Cor'd Temp. 37.8
Temp. Surf. { 80 Time 9:45 A.M. } Air 82
56 Time 10:30 A.M. } 81
Density: Surf. 1.02550 fms.
Wind: Direction Force 2
Baromet. 30.00 Amt. of Clouds 9 State of Sea S
Weather
Tide

Direction and Force { Surface
of Current. Bottom

Tide

General Locality Tayabas Bay

Latitude 13° 40' N. Longitude 121° 31' E.

Position 13° 40' 00" N - 121° 31' 10" E

Chart used: No. 4714 Ed'n

Drift: Direction N Distance 4.5

Depth of Haul bottom

Apparatus and Rig used 12' Tanner & Glavin

Vinylite tail, tail 20 m. 20 m.

Time towing h. 20 m.

Remarks: ~~no bottom sample~~

~~bottom sample~~

Deck Officer J. H. Johnson Recorder 17 Sept.

SOUNDING WIRE.

26 M. Down.	Up.	26 M.
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9 32 55	9 41 00
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32 55	41 00
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32 55	41 00
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32 55	41 00
-------	-------

32 55	41 00
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9 38 15	9 39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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38 15	39 15
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FMS. DREDGING CABLE.

26 M. DOWN.	UP.	26 M.
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9 51 00	11 10 00	9 51 00
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35 20	35 20	35 20
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38 10	11 00	38 10
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10 10 00	10 10 00	10 10 00
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6 30	5 4	6 30
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16 5	5	16 5
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08 30	9 30	08 30
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11 00	4 100	11 00
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13 45	37 30	13 45
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10 15 00	10 15 00	10 15 00
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1000		1000
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1100		1100
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1200		1200
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1300		1300
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1400		1400
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1500		1500
------	--	------

1600		1600
------	--	------

1700		1700
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1800		1800
------	--	------

1900		1900
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2000		2000
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2100		2100
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2200		2200
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2300		2300
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2400		2400
------	--	------

2500		2500
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2600		2600
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2700		2700
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2800		2800
------	--	------

2900		2900
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3000		3000
------	--	------

3100		3100
------	--	------

3200		3200
------	--	------

3300		3300
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3400		3400
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3500		3500
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3600		3600
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3700		3700
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3800		3800
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3900		3900
------	--	------

4000		4000
------	--	------

4100		4100
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4200		4200
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4300		4300
------	--	------

4400		4400
------	--	------

4500		4500
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4600		4600
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4700		4700
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4800		4800
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4900		4900
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113

ST 73

Dredge No. 5574 Date, July 2, 1907

Sdg. Mch. — Reel Shot
Turns Cor'n Lead lbs.

Turns Cor'n Depth 3.19 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom 99 1/4 (m.s.)

Thermom. { Make Cor'n { Instr. —
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 20° Time 15' { Air 82°
9° Time 15' 15' 82°

Density: Surf. fms.

Wind: Direction Force 1-2 - 2-4

Baromet. 29.67 Amt. of Clouds 9 State of Sea

Weather 8c ft

Direction and Force of Current { Surface —
Bottom —

Tide —

General Locality

Position

Chart used: No. 4714 Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing — h. 33/4 m.

Remarks

Deck Officer Mr. E. J. Johnson Recorder Frank

11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.	M.	UP.	M.
		0	11	39	30
		100	44	00	48
		200	47	40	51
		300	51	30	42
		400	55	20	27
		500	11	37	30
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 1 Date, 1911, 1911
Hydros. } Sdg. Mch. T. L. Reel 57 Shot } Lead
Turns 1 Cor'n 1 Depth 167 fms.
Sdg. Cup 1 Int. Bot'm Sample
Character of Bottom

Thermom. { Make — Cor'n { Instr. —
No. — Stem.

Bottom Reading — Cor'd Temp. —
Temp. Surf. { 60 Time 23.5 Air 83°
80° Time 36.45

Density Surf. — fms.

Wind: Direction N. Force —

Baromet. 29.9 Amt. of Clouds 3 State of Sea

Weather 100% 30°

Direction and Force of Current { Surface —
Bottom —

Tide —

General Locality Belice, British Honduras

Sea S. W. 100% Cloudy

Position 13°45' N. 80°15' W.

Chart used: No. 1 Ed'n —

Drift: Direction N. Distance 1.5 m.

Depth of Haul 167 fms.

Apparatus and Rig used

Time towing: — h. 2 m.

Remarks:

Deck Officer D. Recorder ✓
11-1023

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. Down. | UP. M.

M. Down. UP. M.

3 93

0

11 15

100

11 15

2.5 12 110

200

11 15

1230 300

1230 300

1230 300

200 400

200 400

200 400

500

500

600

600

700

700

800

800

900

900

1000

1000

1100

1100

1200

1200

1300

1300

1400

1400

1500

1500

1600

1600

1700

1700

1800

1800

1900

1900

2000

2000

2100

2100

2200

2200

2300

2300

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2700

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2800

2800

2900

2900

3000

3000

3100

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3200

3200

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3400

3400

3500

3500

3600

3600

3700

3700

3800

3800

3900

3900

4000

4000

4100

4100

4200

4200

4300

4300

4400

4400

4500

4500

4600

4600

4700

4700

4800

4800

4900

4900

Dredge No. 5376 Date, October 19th

Sdg. Mch. Reel Shot } lbs.

Turns 2 Cor'n Depth 70 fms.

Sdg. Cup Cor'n Amt. Bot'm Sample 100 ft. 60

Character of Bottom soft, silty sand

Thermom. { Make Cor'n { Instr. Stem.
No.

Bottom Reading Cor'd Temp.

Temp. Surf. { 82° Time 4¹² } Air { 82°
50° Time 4³⁸ } 50°

Density: Surf. fms.

Wind: Direction N.E. Force 4

Baromet. 29.90 Amt. of Clouds 2 State of Sea 2

Weather 20.

Direction and Force of Current { Surface
Bottom

Tide

General Locality San Francisco (C) 35° C.

Position 13° 42' S. 121° 51' 30" E.

Chart used: No. 4714 Ed'n

Drift: Direction N. 11° W. Distance 1.5 miles

Depth of Haul Bottom

Apparatus and Rig used see below

Time towing h. m.

Remarks: The bottom was very uneven and

Deck Officer Recorder 100 ft. 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up.	M.	M.	Up.	M.
		0	4 10 20	4 81 43	
		100	4 14 33	4 47 30	
		200	4 17 35	4 41 38	
		300	4 19 22	4 41 40	
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 5117 Date, 17 , 19
Hydrog. }
Sdg. Mch. Reel Shot } 3 lbs.
Turns 400 Cor'n Depth 100 fms.
Sdg. Cup Sisaline Amt. Bot'm Sample
Character of Bottom
Thermom. { Make N3 Instr. 6
No. 108015 Cor'n { Stem.
Bottom Reading 50.7 Cor'd Temp. 49.6
Temp. Surf. { S. 51° Time 7:51 Air 75°
E. 80° Time 8:51 Air 70°
Density: Surf. fms.
Wind: Direction N.E. Force
Baromet. 30.01 Amt. of Clouds 4 State of Sea C
Weather clear

Direction and Force of Current. { Surface
Bottom

Tide.

General Locality Eng'ld. 7
Position 32° 20' N. 12° 45' E. 11
Chart used: No. 4715 Ed'n —
Drift: Direction S. 31 E. Distance 25

Depth of Haul

Apparatus and Rig used No. 10, 15, 20

Time towing — h. 12 m.

Remarks:

Deck Officer Mr. Johnson Recorder T
Mr. Johnson

SOUNDING WIRE.

M. Down. | UP. M. |

FMS.

DREDGING CABLE.

M. Down. | UP. M.

13 12
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

} 50

12 12
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

Dredge } No. Date, , 19
Hydrog }
Sdg. Mch. Reel Shot
Turns 395 Cor'n Depth 395 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom Sft. gr. St

Thermom. { Make Instr.
No. 108015 Cor'n Stem.

Bottom Reading 51.0 Cor'd Temp. 50.4

Temp. Surf. { 80° Time 10:40 a.m. Air
80° Time 11:06 a.m.

Density Surf. fms.

Wind: Direction Force

Baromet. 30.0 Amt. of Clouds ✓ State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality East of Laysan Is.

Position N. 12° 12' E. 122° 15'

Chart used: No. 4715 Ed'n.

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used A.S. before

Time towing h. m.

Remarks:

Deck Officer Recorder 11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.				
C.	M.	DOWN.	UP.	C.	M.	DOWN.	UP.	C.	M.
9	5	40	10	06	-	0	10	11	20
						100			
10	57	50	04	50		200			
	06	50	03	55		300			
10	02	00	10	03	00	400			
						500			
						600			
						700			
						800	37	00	11
						900			
						1000			
						1100			
						1200			
						1300			
						1400			
						1500			
						1600			
						1700			
						1800			
						1900			
						2000			
						2100			
						2200			
						2300			
						2400			
						2500			
						2600			
						2700			
						2800			
						2900			
						3000			
						3100			
						3200			
						3300			
						3400			
						3500			
						3600			
						3700			
						3800			
						3900			
						4000			
						4100			
						4200			
						4300			
						4400			
						4500			
						4600			
						4700			
						4800			
						4900			

Dredge No. 4715 Date, Oct 11, 1944

Sdg. Mch. 1000 ft. Reel 100' Shot Lead 10 lbs.

Turns 730 Cor'n _____ Depth 730 fms.

Sdg. Cup Sizable Amt. Bot'm Sample _____

Character of Bottom No specimens

Thermom. { Make T 31 Cor'n { Instr. 1
No. 1480187 Stem.

Bottom Reading 51° Cor'd Temp. 50.4

Temp. Surf. { Time { Instr.
Time

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality (Prov. & Dist. young) S. S. E.

Position 13° 10' S. 113° 47' E.

Chart used: No. 4715 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
M.	Down.	Up.	%	M.	M.	Up.	M.
12	60	40	114	25	0		
12	62	35	113	20	100		
12	54	05	112	25	200		
12	56	50	111	25	300		
12	67	45	110	25	400		
12	59	35	109	20	500		
1	02	10	108	15	600		
1	04	35	107	25	700		
1	05	45	106	45	730	800	
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 5251 Date, 19
Hydrog. Sdg. Mch. Line ad Reel Tension. Shot } 35 lbs.
Turns Fresh Cor'n Depth 9.20 fms.
Sdg. Cup Sigs. Amt. Bot'm Sample
Character of Bottom
Thermom. { Make N.Y. Cor'n { Instr. 6
No. 1200 Stem.
Bottom Reading 51.11° Cor'd Temp. 50.5
Temp. Surf. { 81° Time 5:28 Air 83°
81° Time 5:28
Density: Surf. 1.02443 fms.
Wind: Direction Various Force 0-1
Baromet. 29.85 Amt. of Clouds 6 State of Sea \times
Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Ocean 9.2 miles N. 25° E.
Position (SW) N 67° W (SL) 12° 5' S. 122° 3' E.
Position 12° 5' S. 122° 3' E. 9.2 miles
Chart used: No. 4718 Ed'n
Drift: Direction N. N. E. Distance 5.0
Depth of Haul 10 fms.
Apparatus and Rig used 12' Agassiz Trawl, 4 pieces
of 1/2" wire, 10 fms. 1/2" wire, 10 fms.
Time towing h. 30 m.

Remarks:

Deck Officer Recorder 11-1023
M. R. Rohrige Roberto

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

M. DOWN. UP. M.

2	32	30	2	36	30		0	3	00	30	5	50	30
2	33	35	2	34	35		100	3	04	40	5	70	00
2	35	15	2	33	40		200	3	08	00	4	3	50
2	38	15	2	31	45		300				4	2	50
2	38	15	2	31	45		400	3	13	40	3	6	10
2	38	15	2	31	45		500				3	2	30
2	38	15	2	31	45		600				2	8	50
2	42	30	2	49	10		700	3	22	40	2	5	10
2	44	20	2	48	20		800	3	25	35	2	1	20
2	46	35	2	47	10		900	3	28	55	1	7	30
2	46	35	2	47	10		1000	3	30	10		1	5
2	46	35	2	47	10		1100	3	35	20		0	9 00
2	46	35	2	47	10		1200	3	38	15		0	4 30
2	46	35	2	47	10		1300	3	41	20	5	00	30
2	46	35	2	47	10		1400	3	44	30		5	5 45
2	46	35	2	47	10		1500	3	47	30		5	1 00
2	46	35	2	47	10		1600	3	50	40		4	6 40
2	46	35	2	47	10		1700	3	54	05		4	2 00
2	46	35	2	47	10		1800	5	56	20		3	8 00
2	46	35	2	47	10		1900						
2	46	35	2	47	10		2000						
2	46	35	2	47	10		2100						
2	46	35	2	47	10		2200						
2	46	35	2	47	10		2300						
2	46	35	2	47	10		2400						
2	46	35	2	47	10		2500						
2	46	35	2	47	10		2600						
2	46	35	2	47	10		2700						
2	46	35	2	47	10		2800						
2	46	35	2	47	10		2900						
2	46	35	2	47	10		3000						
2	46	35	2	47	10		3100						
2	46	35	2	47	10		3200						
2	46	35	2	47	10		3300						
2	46	35	2	47	10		3400						
2	46	35	2	47	10		3500						
2	46	35	2	47	10		3600						
2	46	35	2	47	10		3700						
2	46	35	2	47	10		3800						
2	46	35	2	47	10		3900						
2	46	35	2	47	10		4000						
2	46	35	2	47	10		4100						
2	46	35	2	47	10		4200						
2	46	35	2	47	10		4300						
2	46	35	2	47	10		4400						
2	46	35	2	47	10		4500						
2	46	35	2	47	10		4600						
2	46	35	2	47	10		4700						
2	46	35	2	47	10		4800						
2	46	35	2	47	10		4900						

153

31-11-10
57-06 0 30-45

Dredge } No. 5356 Date, 19

Hydrog. } Sdg. Mech. Reel Shot } Leads lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Instr.
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air
Time

Density: Surf. fms.

Wind: Direction N.E. Force 2

Baromet. 29.92 Amt. of Clouds 3 State of Sea 8

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. 4715 Ed'n

Drift: Direction N.E. Distance

Depth of Haul Interv.

Apparatus and Rig used

cable ext.

Time towing h. m.

Remarks: Dredge

Time 00.00 00.00

Deck Officer Recorder 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M. DOWN.	UP.	M.		P	M. DOWN.	UP.	M.
			360	7	2230	7	3230
			300	7	2600	7	3150
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

154

100

33

mt

Dredge } No. 5371 Date, Jan 19
Dykes }
Sdg. Mch. Reel 50 - Shot } lbs.
Turns 90 Cor'n (100 = 98) Depth 88 fms.
Sdg. Cup Firing Amt. Bot'm trace
Character of Bottom Co. S

Thermom. { Make _____ Cor'n { Instr.
No. _____ Stem.

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 80° Time 9:21 a.m. } Air { 75°
79° Time 9:27 a.m. }

Density: Surf. _____ fms.
Wind: Direction ENE Force 2
Baromet. 30.02 Amt. of Clouds 5 State of Sea S
Weather

Direction and Force of Current { Surface _____
Bottom _____

Tide

General Locality Mouth of River Ganges
Date Jan 19, 1887 Position 23° 12' N. Lat., 88° 15' E. Long.
Position 1. 12° 12' N. Lat., 88° 15' E. Long.
Chart used: No. 11 Rd'n
Drift: Direction N 12° E Distance 62
Depth of Haul Bottom
Apparatus and Rig used 12' dredge, 400 ft. wire
Weight Fall 100 lb., weight 100 lb.

Time towing h. 20 m.
Remarks:
17 min. 5-240 fm. wire; = 20 min.
Firing shot throughout entire haul.

SOUNDING WIRE.

M. Down.	UP.	M.
----------	-----	----

FMS.

DREDGING CABLE.

M. Down.	UP.	M.
----------	-----	----

0		0
9		30
100		1000
200		2700
300		3505
400		3520
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
2000		
2100		
2200		
2300		
2400		
2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500		
3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Dredge } No. 5382 Date, Jan 6, 1910
Hydrog. }
Sdg. Mch. T T Reel T Shot } C. lbs.
Turns 130 Cor'n 120±117 Depth 128 fms.
Sdg. Cup Poring Amt. Bot'm +
Character of Bottom W
Thermom. { Make — Cor'n { Instr.
{ No. — Stem.
Bottom Reading — Cor'd Temp.
Temp. Surf. { 79.5 Time 10:22 a.m. Air { 82°
{ 79.0 Time 10:39 a.m. Air { 84°
Density: Surf. fms.
Wind: Direction ENE Force 2
Baromet. 30.02 Amt. of Clouds State of Sea
Weather 10

Direction and Force of Current { Surface
{ Bottom

Tide

General Locality Middle of Gulf of Mexico

Position 30° 12' N. 120° 45' W.

Chart used: No. 4715 Ed'n —

✓ Drift: Direction N 18° E Distance 1.5 m.

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing — h. 15 m.

Remarks: This sounding also marks the end
of

Deck Officer Mr. J. C. Thompson Recorder

11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.			
M. Down.	UP.	M.	M.	UP.	M.	
0		0	10	11	10	51
100			14	50	78	00
200			15	20	60	70
300			16	20	60	70
400			17	20	60	70
500			18	20	60	70
600			19	20	60	70
700			20	20	60	70
800			21	20	60	70
900			22	20	60	70
1000			23	20	60	70
1100			24	20	60	70
1200			25	20	60	70
1300			26	20	60	70
1400			27	20	60	70
1500			28	20	60	70
1600			29	20	60	70
1700			30	20	60	70
1800			31	20	60	70
1900			32	20	60	70
2000			33	20	60	70
2100			34	20	60	70
2200			35	20	60	70
2300			36	20	60	70
2400			37	20	60	70
2500			38	20	60	70
2600			39	20	60	70
2700			40	20	60	70
2800			41	20	60	70
2900			42	20	60	70
3000			43	20	60	70
3100			44	20	60	70
3200			45	20	60	70
3300			46	20	60	70
3400			47	20	60	70
3500			48	20	60	70
3600			49	20	60	70
3700			50	20	60	70
3800			51	20	60	70
3900			52	20	60	70
4000			53	20	60	70
4100			54	20	60	70
4200			55	20	60	70
4300			56	20	60	70
4400			57	20	60	70
4500			58	20	60	70
4600			59	20	60	70
4700			60	20	60	70
4800			61	20	60	70
4900			62	20	60	70

Dredge No. 1 Date, December 5, 1905
Hydrog. Sdg. Mech. Reel Shot
Turns 137 Cor'n Depth 127 fms.
Sdg. Cup Sdg. Sh. W Amt. Bot'm Sample 10%
Character of Bottom

Thermom. Make T. C. Cor'n Instr. 6
No. 108015 Stem.

Bottom Reading 63.1° Cor'd Temp. 62.5

Temp. Surf. 80° Time 2 16' Air

Time

Density: Surf. 1.022 fms.

Wind: Direction N. Force 3

Baromet. 29.84 Amt. of Clouds 3 State of Sea 2

Weather

Direction and Force of Current Surface
Bottom

Tide

General Locality Rangoon Bay

#1

Position 13-22-00 N

Chart used: No. 4215 Ed'n

Drift: Direction N 70° E Distance 1.3

Depth of Haul Bottom

Apparatus and Rig used

Time towing 1 h. 52 m.

Ground Sag

Time towing 1 h. 52 m.

Remarks:

Deck Officer C. J. [unclear] Recorder C. E. [unclear]

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
Z' M.	Down.	Up.	P M.		Z' M.	Down.	Up.	P M.
3	0.6	3.5	3	10	3.0	0	3	16 00
3	2.5	3	3	0.8	3.5	100	3	19 00
3	0.8	1.5	3	0.9	0.5	127 200	3	22 45
					300	3	25 30	3 30 50
					350	3	47 50	
					400	3	35 15	3 30
					500			
					600			
					700			
					800			
					900			
					1000			
					1100			
					1200			
					1300			
					1400			
					1500			
					1600			
					1700			
					1800			
					1900			
					2000			
					2100			
					2200			
					2300			
					2400			
					2500			
					2600			
					2700			
					2800			
					2900			
					3000			
					3100			
					3200			
					3300			
					3400			
					3500			
					3600			
					3700			
					3800			
					3900			
					4000			
					4100			
					4200			
					4300			
					4400			
					4500			
					4600			
					4700			
					4800			
					4900			

Dredge No. 5384 Date, 19. 9
Sdg. Mch. Reel Shot Lead lbs.
Turns Cor'n Depth 220 fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make 21. 3 Cor'n { Instr. Stem.
No. 115 Time L'g'd T Air
Temp. Surf. { 55 Time
Wind: Direction N N W Force 2-3
Baromet. 29. 8 Amt. of Clouds 1 State of Sea
Weather very
Direction and Force { Surface
of Current Bottom
Tide
General Locality 11
Position 012-22-15 15
Chart used: No. 4715 Ed'n
Drift: Direction N 74 W Distance
Depth of Haul 50 m
Apparatus and Rig used as before
Time towing h. 25 m.
Remarks:
Deck Officer Recorder 11-1023

SOUNDING WIRE.

M.	Down.	Up.	P.M.
----	-------	-----	------

01	35	00	25
----	----	----	----

02	30	03	35
----	----	----	----

02	45	03	30
----	----	----	----

		230	
--	--	-----	--

		300	
--	--	-----	--

		400	
--	--	-----	--

		500	
--	--	-----	--

		600	
--	--	-----	--

		700	
--	--	-----	--

		800	
--	--	-----	--

		900	
--	--	-----	--

		1000	
--	--	------	--

		1100	
--	--	------	--

		1200	
--	--	------	--

		1300	
--	--	------	--

		1400	
--	--	------	--

		1500	
--	--	------	--

		1600	
--	--	------	--

		1700	
--	--	------	--

		1800	
--	--	------	--

69		1900	
----	--	------	--

		2000	
--	--	------	--

		2100	
--	--	------	--

		2200	
--	--	------	--

		2300	
--	--	------	--

		2400	
--	--	------	--

		2500	
--	--	------	--

		2600	
--	--	------	--

		2700	
--	--	------	--

		2800	
--	--	------	--

		2900	
--	--	------	--

		3000	
--	--	------	--

		3100	
--	--	------	--

		3200	
--	--	------	--

		3300	
--	--	------	--

		3400	
--	--	------	--

		3500	
--	--	------	--

		3600	
--	--	------	--

		3700	
--	--	------	--

		3800	
--	--	------	--

		3900	
--	--	------	--

		4000	
--	--	------	--

		4100	
--	--	------	--

		4200	
--	--	------	--

		4300	
--	--	------	--

		4400	
--	--	------	--

		4500	
--	--	------	--

		4600	
--	--	------	--

		4700	
--	--	------	--

		4800	
--	--	------	--

		4900	
--	--	------	--

DREDGING CABLE.

M.	Down.	Up.	P.M.
----	-------	-----	------

01	68	10	10
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02	35	00	50
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02	00	00	30
----	----	----	----

02	30	00	00
----	----	----	----

02	30	5	40
----	----	---	----

02	00	57	20
----	----	----	----

02	25	00	45
----	----	----	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
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02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
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02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
----	----	---	----

02	25	5	50
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02	25	5	50
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02	25	5	50
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02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

02	25	5	50
----	----	---	----

Dredge	No.	Date,	, 19
Hydrog.			
Sdg. Mch.		Reel	Shot Leads
Turns	Cor'n	Depth	fms.
Sdg. Cup		Amt. Bot'm Sample	
Character of Bottom			
Thermom.	Make No.	Cor'n	Instr. Stem.
Bottom Reading			Cor'd. Temp.
Temp. Surf.		Time	
		Time	Surf.
Density: Surf.			fms.
Wind: Direction		Force	
Baromet.		Amt. of Clouds	State of Sea
Weather			
Direction and Force of Current.	Surface Bottom		
Tide			
General Locality			
Position			
Chart used: No.		Ed'n	
Drift: Direction		Distance	
Depth of Haul			
Apparatus and Rig used			
Remarks:		Time towing	h. m.
Deck Officer		Recorder	11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 57 Date, 1924

Sdg. Mch. Reel Shot
Turns Cor'n Depth Lead lbs.

Sdg. Cup Amt. Bot'm Sample fms.

Character of Bottom

Thermom. Make Instr. Cor'n Stem.
No. Cor'n

Bottom Reading Cor'd Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Net, Netto, Winch

Remarks: 70 Time towing h. m.

Deck Officer 70 Recorder 70

11-1023

SOUNDING WIRE.

M. DOWN. UP. M.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

350400

9

26 15

21 50

33 10

37 40

39 30

$$\begin{array}{r} 39 \\ 117 \times 112 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 39 \\ 39 \\ \hline 29 \end{array} \begin{array}{r} 14 \\ 107 \end{array}$$

far = turnix cor
base forew.

(prok.)



$$\begin{array}{r} 39 \\ \times 13 \\ \hline 117 \end{array}$$

$$\begin{array}{r}
 39 \\
 13 \\
 \hline
 117 \\
 39 \\
 \hline
 507 \\
 4 \\
 \hline
 18 \\
 \hline
 27
 \end{array}
 \quad
 \begin{array}{r}
 14 \\
 \hline
 127
 \end{array}$$

~~89 + 90
102~~

~~18~~ 80
~~90~~

~~49
98
700~~

$$\begin{array}{r} 49 \\ \times 9 \\ \hline 441 \\ \begin{array}{r} 40 \\ \hline 441 \end{array} \end{array}$$

22⁷⁵
6)
19650